dLAN®
200 AVpro Wireless N

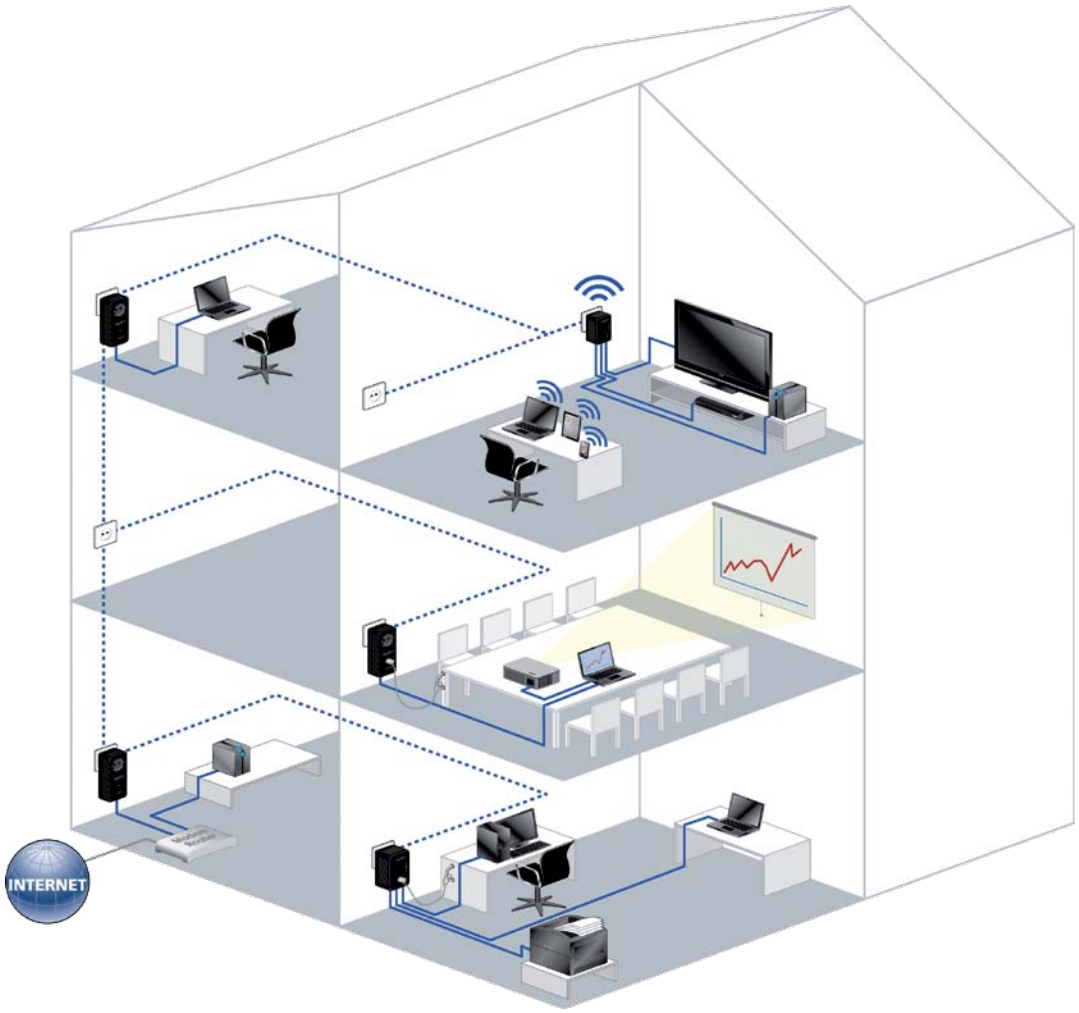
devolo
The Network Innovation

- Remote Management
- Connection for Kensington Lock
- Data transmission via the electrical wiring
- 3x LAN Ethernet
- Wireless LAN

The best connection for your business with a professional access point from your power outlet

Use the innovative access point for all network-compatible terminal devices: A perfect connection is guaranteed wirelessly as well as over classic cables with the dLAN® 200 AVpro Wireless N – the ideal combination of a WLAN access point and a network switch. The professional Powerline communication solution allows flexible positioning of the adapter anywhere in a company. This way, even areas without network cables are optimally covered. The adapter can be used as a simply scalable, primary network as well as to supplement an existing infrastructure.

Unlike the dLAN® products for home users, the dLAN® 200 AVpro Wireless N offers comprehensive web-based remote management configuration of its features, such as control of the transmitting power and frequencies, thus meeting the advanced requirements of commercial users. Fast communication between computers, mobile devices and servers is guaranteed with 200 Mbps via dLAN® and 300 Mbps via WLAN. The granular access for various user groups and the configuration of virtual networks is done through Multi SSID and VLAN support. The set is also ideal for publicly accessible areas in a company due to the integrated Kensington Lock.



HIGHLIGHTS

- The innovative access point for network-compatible terminal devices. All the same whether over WLAN or classic network cables: every device can be connected
- dLAN® powerline technology uses in-house power lines and allows flexible positioning of the dLAN® 200 AVpro Wireless N anywhere in the building this way
- Areas without network cables are integrated perfectly; alternatively, an existing network can be ideally extended
- Ideal for all public areas: an integrated Kensington Lock reliably protects the adapter from theft
- Easy set-up of WLAN zones (WLAN access points and wireless hotspots) with support of the WLAN IEEE 802.11n high-speed standard
- Separation for user groups and granular access control through Multi SSID and VLAN
- 200 Mbps (gross) connection for fast data transmission via dLAN®, 300 Mbps (gross) in WLAN operation (IEEE 802.11n standard)
- The set consists of a dLAN® 200 AVpro WP II adapter (integrated electrical socket, 1 network port) and a dLAN® 200 Wireless N (WLAN access point, 3 network ports)
- Professional WLAN security management with support for WPA, WPA2 and WPA2 Enterprise
- Optimal dLAN® security with a 128-bit AES key
- Remote management via dLAN® 200 AVpro manager management software
- Easy configuration via the new Web interface
- Optimal modification of the wireless adapter for any usage scenario through network ports that can be disabled and the deactivation of the function buttons on the adapter
- WLAN time control with configurable usage times
- Kompact adapter design with two internal WLAN antennas, MIMO technology for the best transmission and reception performance

PRODUCT ADVANTAGES

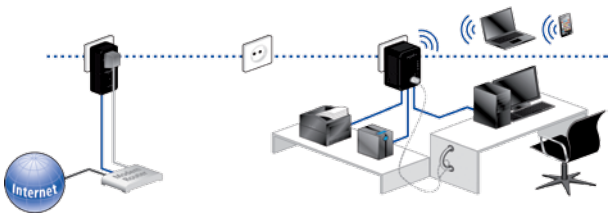
Product advantages of dLAN® technology

dLAN® technology makes it possible to use existing household electrical wiring like a long network cable and install a stable network without having to route cables.

- Scalable and cost-efficient solution for custom-tailored broadband communication
- Simple installation
- No new cables, no drilling, no mess
- Quality-of-Service function for automatic data prioritisation (in conjunction with dLAN® 200 AVpro manager management software)
- Frequency notching for suppressing certain frequencies (in conjunction with dLAN® 200 AVpro manager management software)
- Central management of the dLAN® network with dLAN® 200 AVpro manager

APPLICATIONS

The dLAN® adapter was developed specially for use in commercial environments, e.g. for the hotel industry, doctors' offices, the housing industry and educational institutions. It is the world's first Powerline adapter to possess a Kensington lock connection. The patented security technology is an optimal solution for preventing theft by flexibly securing the dLAN® adapter via a corresponding lock system.



COST ADVANTAGES

Cost advantages of dLAN® technology

- Cost-efficient multiple usage of existing mains supply for Internet telephony, IPTV, broadband data communication
- No changes to existing infrastructure
- The attractive price-performance ratio allows fast Return on Investment (ROI)

ARTICEL NUMBERS

- dLAN® 200 AVpro Wireless N: 01803 (DE), 01932 (FR,BE), 01933 (AT,NL,ES,PT), 01934 (CH)

- dLAN® 200 AVpro Wireless N Starter Kit: 01810 (DE), 01821 (FR,BE). 01930 (AT,NL,ES,PT), 01931 (CH)

SPECIFICATIONS

General	• Wireless specification IEEE 802.11b,g,n • HomePlug standard AV • Ethernet standard IEEE 802.3/x/u, Auto MDI /MDI-X
Media access procedure	• Wireless 802.11: CSMA/CA, EDCA • Ethernet 802.3: CSMA/CD • HomePlug AV: CSMA/CA
Transmission speed	• 200 Mbps over the power supply grid • 300 Mbps over wireless
Transmission method	asynchronous
Modulation	OFDM – 1155 carriers, 1024/256/64-QAM, QPSK, BPSK over the power supply grid Wireless: • 802.11b: DSSS (Direct Sequence Spread Spectrum) • 802.11g: OFDM (Orthogonal Frequency Division Multiplexing) • 802.11n: OFDM (Orthogonal Frequency Division Multiplexing)
Range	• 300 m over the power supply grid • up to 300 m over wireless
Security	• 128-bit AES encryption over the power supply grid • WEP, WPA (PSK), WPA2 (PSK), TKIP over wireless
LEDs	• Power • dLAN® Link/Act • WLAN On/Act • ETH Link/Act
Protocols	• DHCP (Client), APIPA, devolo Auto IP, ARP, ICMP, TCP/IP, UDP (IP), • WMM 802.11e, Ethernet bridge 802.1D, • WPA/WPA2 WLAN enterprise mode (802.1x) • WiFi peer-to-peer isolation • 15 VLANs • 4 SSIDs (Multi SSID)
Modes	• Access point with WEP, WPA (TKIP), WPA2 (AES) • WiFi Station Mode (STA)
LAN ports	• dLAN®: EURO mains plug • WLAN: internal 2.4 GHz antennas • Ethernet: three RJ45
Dimensions	110 x 68 x 49 mm (height x width x depth)
Weight	200 g
Power consumption	Maximum 0.13 A with: • Maximum: 7 W • Typical: 5.6 W
Power supply	AC 230V, 50Hz
Temperature	Storage: -25°C to 70°C, Operation: 0°C to 40°C
Humidity	10–90% humidity (non-condensing)
Operating systems	Windows® XP (32/64 bit), Windows Vista (32/64 bit), Windows 7 (32/64 bit), Mac OS® X, Linux®
Certifications	CE-compliant in accordance with the technical requirements of all EU countries and Switzerland: • EN 60950-1 :2006, EN 55022 :2006+A1 :2007 • EN 55024 :1998+A1 :2001+A2 :2003 • EN 300 328 V1.7.1, EN 301 489-1 V1.8.1, EN 301 489-17 V1.3.2
Additional features	• Prepared for mechanical antitheft protection (Kensington Lock) • Pushbutton can be enabled/disabled • Ethernet interfaces can be enabled/disabled • dLAN® interface can be enabled/disabled
Article number	dLAN® 200 AVpro WP II: 01803 (DE), 01932 (FR,BE), 01933 (AT,NL,ES,PT), 01934 (CH) dLAN® 200 AVpro Wireless N Starter Kit: 01810 (DE), 01821 (FR,BE), 01930 (AT,NL,ES,PT), 01931 (CH)

© 2011 devolo AG, Germany. All rights reserved. Specifications are subject to change without notice.

devolo Deutschland
Charlottenburger Allee 60
52068 Aachen
www.devolo.com